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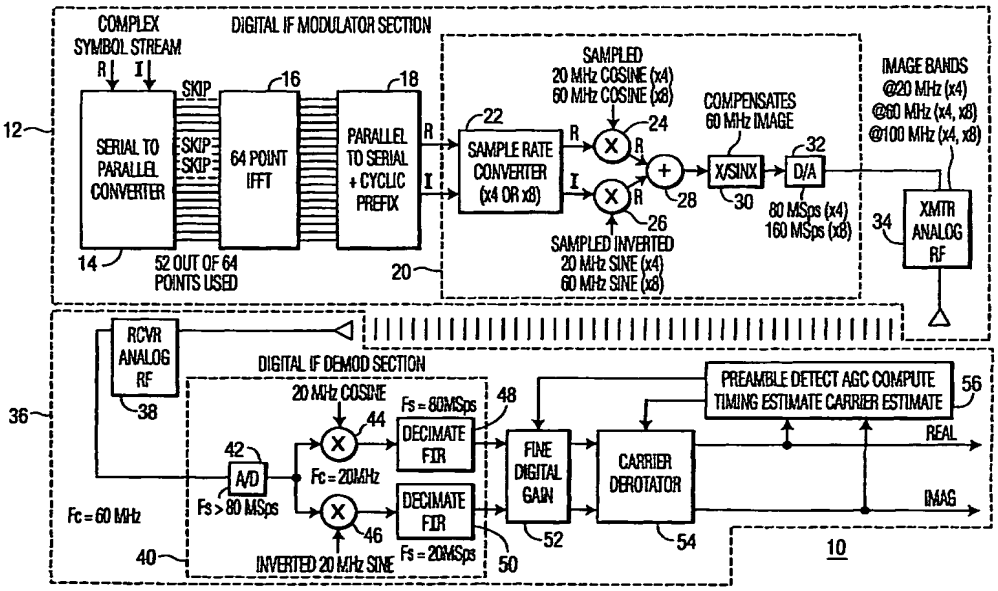
(54) Title: ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) DIGITAL RADIO FREQUENCY (RF) TRANSCEIVER



(57) Abstract: A digital radio frequency (RF) transceiver circuit (100) comprises circuitry (110, 112, 114, 116) that is adapted to select between a transmitter input signal (148) and a receiver input signal (43). A plurality of filters (126, 128, 130, 132) are adapted to receive either the transmitter input signal (148) or the receiver input signal (43) and to produce either a filtered transmitter signal or a filtered receiver signal. Circuitry (138, 140, 142) alternatively receives the filtered transmitter signal or the filtered receiver signal and produces a modulated output and a demodulated output.

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